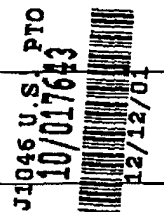


Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office  <div style="text-align: center;"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></div> 37 CFR 1.98(b)		Attorney Docket No. S-96,583 Applicant(s) Thomas C. Terwilliger Filing Date		Serial No.  <div style="text-align: center;">  </div>	
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U.S. PATENTS DOCUMENTS									
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE			

FOREIGN PATENT DOCUMENTS									
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	COUNTRY	CLASS	SUB CLASS	Translation YES NO			

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)	
AM	Roversi et al., "Modeling Prior Distribution of Atoms for Macro-molecular Refinement and Completion," Acta Cryst. (2000), D56, pp.1316-1323.
AM	Wang et al., "Crystal Structure Determination of Escherichia coli ClpP Starting from an EM-Derived Mask," Journal of Structural Biology, 124, pp. 151-163 (1998).
AM	Beran et al., "Simulated Annealing for Phasing Using Spatial Constraints," Acta Cryst. (1995). A51, 20-27.
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           EXAMINER:   </div> <div style="width: 45%;">           DATE CONSIDERED:            9-19-03         </div> </div>	
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Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.	Serial No.
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		S-96,583	10/017,643
		Applicant(s)  Thomas C. Terwilliger	
		Filing Date	Group 1631
37 CFR 1.98(b) <b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Place of Publication)			
AM	van der Plas et al., "Ab Initio Phasing in Protein Crystallography," Proc of SPIE, (2000) 4123, pp. 249-260.		
	Read, "Improved Fourier Coefficients for Maps Using Phases from Partial Structures with Errors," Acta Cryst. (1986), A42, pp. 140-149.		
	Cowtan et al., "Improvement of Macromolecular Electron-Density Maps by the Simultaneous Application of Real and Reciprocal Space Constraints," Acta Cryst. (1993), D49, pp. 148-157.		
	Terwilliger, "Maximum-likelihood Density Modification," Acta Cryst. (2000), D56, pp. 956-972.		
	Terwilliger, "Reciprocal-space Solvent Flattening," Acta Cryst. (1999), D55, pp. 1863-1871.		
	Szoke, "Holographic Methods in X-ray Crystallography, II, Detailed Theory and Connection to Other Methods of Crystallography," Acta Cryst., (1993), A49, 853-866.		
	Maalouf, "Holographic Methods in X-ray Crystallography, III. First Numerical Results," Acta Cryst., (1993), A49, 866-871.		
	Beran, "Simulated Annealing for Phasing using Spatial Constraints," Acta Cryst., (1995), A51, 20-27.		
	Szoke et al., "Holographic Methods in X-ray Crystallography, IV. A Fast Algorithm and its Application to Macromolecular Crystallography," Acta Cryst., (1995), A51, 691-708.		
	Szoke et al., "Holographic Methods in X-ray Crystallography, V. Multiple Isomorphous Replacement, Multiple Anomalous Dispersion and Non-crystallographic Symmetry," Acta Cryst., (1997), A53, 291-313.		
V	Szoke, "Use of Statistical Information in X-ray Crystallography with Application to the Holographic Method," Acta Cryst., (1998), A54, 543-562.		
EXAMINER: <i>Andin Manalof</i>	DATE CONSIDERED: 9-19-03		
*EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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37 CFR 1.98(b)		Filing Date	Group 1631
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Place of Publication)			
AM	Bi-Cheng Wang, "Resolution of Phase Ambiguity in Macromolecular Crystallography," Methods in Enzymology, Vol. 115, pp. 90-113, 1985.		
	Shibin Xiang et al., "Entropy Maximization Constrained by Solvent Flatness: a New Method for Macromolecular Phase Extension and Map Improvement," International Union of Crystallography, D49, pp. 193-212, 1993.		
	G. Bricogne, "Maximum Entropy and the Foundations of Direct Methods," International Union of Crystallography, A40, pp. 410-445, 1984.		
	G. Bricogne, "A Bayesian Statistical Theory of the Phase Problem. 1. A Multichannel Maximum-Entropy Formalism for Constructing Generalized Joint Probability Distribution of Structure Factors, A44, pp. 517-545, (1988).		
	Thomas C. Terwilliger et al., "Automated MAD and MIR Structure Solution", International Union of Crystallography, D55, pp. 849-861, (1999).		
	V. Yu. Lunin "Electron-Density Histograms and the Phase Problem," International Union of Crystallography, D49, pp. 90-99, (1993).		
	Drenth, "Principles of Protein X-Ray Crystallography," Springer-Verlag New York, (1994), pp. 1-19.		
EXAMINER:	<i>Adin Mansueti</i>	DATE CONSIDERED:	9-19-03
*EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			